

**What is claimed is:**

1. A flat display panel fixing apparatus comprising:  
a flat display panel;  
5 a fixing frame for supporting the flat display panel;  
a back cover having guide means for guiding aligning  
locations of the fixing frame and/or the flat display panel and  
fixing means for fixing the fixing frame and/or the flat display  
panel; and

10 a front cover for receiving the flat display panel and the  
fixing frame, the front cover being coupled on the back cover.

2. The flat display panel fixing apparatus according to  
claim 1, wherein the guide means comprises a plurality of guide  
15 portions formed on an inner side surface of the back cover.

3. The flat display panel fixing apparatus according to  
claim 1, wherein the guide means is formed on a side end line of  
the back cover, and the guide means comprising a plurality of  
20 guide portions provided with an aligning groove.

4. The flat display panel fixing apparatus according to  
claim 1, wherein the fixing means comprises:

a boss provided with a fixing hole in which a fastener is

inserted; and

a reinforcing rib for supporting the boss.

5. The flat display panel fixing apparatus according to

5 claim 1, wherein the guide means is disposed in the vicinity of  
the fixing means.

6. The flat display panel fixing apparatus according to

claim 1, wherein the guide means and/or the fixing means is

10 formed on at least one corner of the back cover.

7. The flat display panel fixing apparatus according to

claim 1, wherein the front cover is coupled to the back cover by  
hook means.

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8. The flat display panel fixing apparatus according to

claim 1, wherein the front cover is coupled to the back cover by  
a hook projection and a hook portion corresponding to the hook  
projection.

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9. The flat display panel fixing apparatus according to

claim 1, wherein the front cover is coupled to the back cover by  
a cover fastener.

10. The flat display panel fixing apparatus according to  
claim 1 further comprising a support rib formed on an inner  
surface of a side portion of the front panel to support the flat  
display panel.

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11. The flat display panel fixing apparatus according to  
claim 1, wherein the fixing means comprises:

a boss provided with a fixing hole; and

a fastener inserted simultaneously through the fixing hole

10 of the boss and holes formed on the fixing frame and the flat  
display panel.

12. The flat display panel fixing apparatus according to  
claim 1, wherein the panel display panel is provided with a panel  
15 fixing portion formed corresponding to the fixing means; and

the fixing frame is provided with a frame fixing portion  
formed corresponding to the fixing means.

13. The flat display panel fixing apparatus according to  
20 claim 1, wherein the fixing means comprises a boss provided with  
a fixing hole in which a fastener is inserted; and

the fixing frame is provided with a fixing bracket in which  
the fastener is inserted, the fixing bracket being formed  
corresponding to the boss.

14. The flat display panel fixing apparatus according to  
claim 1, wherein the fixing frame is provided with an aligning  
guide for accurately aligning the flat display panel on the  
5 fixing frame.

15. A flat display monitor comprising:

a high strength back cover having a rear surface on which a  
support structure is coupled;

10 a fixing frame and/or a flat display panel fixed on an  
inner surface of the back cover by fixing means; and

a front cover for receiving the fixing frame and/or the  
flat display panel, the front cover being fixed on a front  
surface of the back cover.

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16. The flat display monitor according to claim 15,  
wherein the fixing means comprises:

a fixing portion formed on an inner surface of the back  
cover;

20 a frame fixing portion and/or a panel fixing portion, the  
frame fixing portion being formed on the fixing frame to  
correspond to the fixing portion and the panel fixing portion  
being formed on the flat display panel to correspond to the  
fixing portion; and

a fastener inserted through the fixing portion and the frame fixing portion and/or the panel fixing portion.

17. The flat display monitor according to claim 15, wherein  
5 the flat display panel is an LCD module.

18. The flat display monitor according to claim 15, wherein  
the front cover is coupled to the back cover by hook means.

10 19. The flat display monitor according to claim 15, wherein  
the front cover is coupled to the back cover by a screw.

20. A method for fixing a flat display panel, the method  
comprising the steps of:

15 aligning the flat display panel with a back cover;  
fixing the flat display panel on the back cover using a  
fastener; and  
fixing a front cover on the back cover.

20 21. The method according to claim 20, wherein after being  
aligned with a fixing frame, the flat display panel is fixed  
together with the fixing frame on the back cover by the fastener.

22. The method according to claim 20, wherein after being

aligned with a fixing frame, the flat display panel is fixed on the back cover by the fixing frame.

23. The method according to claim 20, wherein the back  
5 cover and the front cover are fixed to each other by hook means.

24. The method according to claim 20, wherein the front cover is fixed to the back cover by a screw.